



# भारत का राजपत्र

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No. 14] NEW DELHI, SATURDAY, APRIL 4, 1981 (CHAITRA 14, 1903)

सभाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेंट कायलिय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS & DESIGNS

Calcutta, the 4th April 1981

#### CORRIGENDUM

In the Gazette of India Part III, Section 2 dated the 20th September 1980 under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 475, column 2, against No. 148012 please insert "COMPLETE SPECIFICATION LEFT SEPTEMBER 23, 1978" after "APPLICATION NO. 203/BOM/1977 FILED JUNE 23, 1977".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214 ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section of the Act.

26th February, 1981

210/Cal/81. Airwick AG. Insecticidal vapours-emitting composition on a pyrethrinoid base.

211/Cal/81. Xerox Corporation. Fuser control.

212/Cal/81. Sredneaziatsky Nauchno-Issledovatel'sky Institut Prirodnoogo Gaza. Process for treating drilling mud.

213/Cal/81. H. T. Stirling. Process for treatment of dust and particularly dust removed from steelmaking furnace.

27th February, 1981

214/Cal/81. Staedtler & Uhl. Tooth edging means for textile machinery.

215/Cal/81. Pilkington Brothers Limited. Alkali resistant glass fibres and cementitious products reinforced with the glass fibres. (February 27, 1980).

216/Cal/81. Oxyweld Engineers. Burner assembly.

217/Cal/81. Formica Corporation. High pressure decorative laminates containing an air-laid web and method of producing same. (February 29, 1980).

218/Cal/81. R. G. McIntire and D. Colvette. Method and apparatus for a low emission diesel engine.

28th February, 1981

219/Cal/81. O.B. Rasmussen. Coextrusion die.

220/Cal/81. Mitsubishi Denki Kabushiki Kaisha. Improved circuit interrupter.

221/Cal/81. Cassella Aktiengesellschaft. Water-insoluble azo dyestuffs, a process for their manufacture and their use.

222/Cal/81. C. E. Brekke and A. K. Mukherjee. Solar heating system.

223/Cal/81. Combustion Engineering, Inc. Method of burning sulfur-containing fuels in a fluidized bed boiler.

2nd March, 1981

224/Cal/81. Eutectic Corporation. Adjustable head for selectively shaping a flame-spray discharge.

225/Cal/81. Eutectic Corporation. Extension nozzle attachment for a flame-spray torch.

226/Cal/81. United Technologies Corporation. Wind turbine blade pitch control system.

227/Cal/81. Stanadyne, Inc. Rotary fuel injection pump.

3rd March, 1981

228/Cal/81. Chloride India Limited. Automobile battery grid.

229/Cal/81. Stamicarbon B. V. Process for the preparation of benzene-monocarboxylic acids.

230/Cal/81. Sciaky Bros, Inc. Method and apparatus for manufacturing rotary drill bits. [Divisional date April 3, 1978].

231/Cal/81. Italtel Societa Italiana Telecommunicazioni s.p.a. Circuit lay-out for making symmetrical the hysteresis loop in a power supply unit of push-pull type.

232/Cal/81. Italtel Societa Italiana Telecommunicazioni s.p.a. Circuital arrangement adapted to detect the electric features of both analogical and digital trunks associated with a transit telephone exchange of digital type.

4th March, 1981

233/Cal/81. Union Carbide Corporation. Compositions of alkylenealkyl acrylate copolymers having improved flame retardant properties.

234/Cal/81. Stone-Platt Fluidfire Limited. Boiler and Method of heating liquid. (March 4, 1980).

235/Cal/81. Hoechst Aktiengesellschaft. Process for the preparation of pyrazolone-sulfuric acid half-ester compounds.

236/Cal/81. Hoechst Aktiengesellschaft. Process for the preparation of sulfatoethylsulfonyl compounds.

237/Cal/81. Hoechst Aktiengesellschaft. Process for the preparation of aminobenzanilide-sulfuric acid half-ester compounds.

238/Cal/81. Hitachi, Ltd. Winding for static induction apparatus.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 170D.

148555.

Int. Cl.-C11d 17/00.

IMPROVEMENTS IN OR RELATING TO A DETERGENT-SCRUBBER ARTICLE HAVING A HANDLE AND METHOD OF MANUFACTURING SUCH ARTICLE.

*Applicant* : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

*Inventor* : BERNARD BARON DUGAN.

Application No. 69/Del/78 filed January 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

23 Claims.

A detergent-scrubber article having a handle to facilitate application of detergent to items to be cleaned which comprises a solid detergent composition body affixed to a substantially rigid body of a light weight material functional as a scrubbing means for scrubbing soiled or stained surfaces of the items to be cleaned after application of the detergent composition to such and functional as a handle by means of which the solid detergent composition may be held while applying such composition to the items to be cleaned.

Comp. Specn. 43 Pages.

Drg. 2 Sheets.

CLASS 85F &amp; J &amp; 127G &amp; I.

148556.

Int. Cl.-F23h 13/08.

## A DRIVE SYSTEM FOR USE WITH A ROTARY GRATE.

*Applicant* : THE DIRECTOR, CEMENT RESEARCH INSTITUTE, M-10, SOUTH EXTENSION, PART-II, NEW DELHI-110049, INDIA.

*Inventors* : DR. HOSAGRAHAR CHANDRSEKHARIAH-VISVESVARAYA, DR. JAI CHANDRA MISHRA, SH. VINAY KUMAR JAIN, SH. SUNDARESAN SUKUMAR, SH. DABBIR BADRI NARAYANA RAO AND SH. LAL-GUDI KRISHNAMURTHY JANAKIRAMAN.

Application No. 125/Del/78 filed February 14, 1978.

Complete Specification left May 5, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A drive system for a rotary grate of a vertical shaft kiln and, wherein, said grate is mounted on a kingshaft comprising a prime mover coupled to a known automobile gear box through a reduction member, the output shaft of said automobile gear box coupled to a worm gear box, a worm mounted on the output shaft of said worm gear box, a worm wheel in mating relationship with said worm and mounted on said kingshaft.

Prov. Specn. 3 Pages. Comp. Specn. 6 Pages. Drg. 1 Sheet.

CLASS 89.

148557.

Int. Cl.-F16f 7/00.

## A SHOCK ABSORBING DEVICE FOR USE IN DIAL MEASURING INSTRUMENTS.

*Applicant* : TESA S.A., OF RUE BUGNON 38, 1020 RENENS, SWITZERLAND.

*Inventors* : NICOLATE VOINESCU AND SERGE GINGEN.

Application No. 143/Del/78 filed February 22, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims.

A shock-absorbing device for use in dial measuring instruments having a pinion and a toothed wheel coaxial therewith forming part of a transmission multiplier mechanism, the

shock-absorbing device being interposed therebetween by a rack and pinion mechanism disposed between a movable indicator member and a movable feeler of the instrument, the device comprising a balance lever interposed between the pinion and the toothed wheel, the lever being pivotally mounted on the common pivotal axis of the pinion and toothed wheel and intercepting, during pivotal movement in a single direction, a first radial driving finger integral with an arm rigidly connected to the pinion and a second radial driving finger integral with the toothed wheel, a resilient connection being formed between the balance lever and the two fingers by the opposed action of the ends of at least one spiral spring connected at its inner end to the balance lever.

Comp. Specn. 15 Pages.

Drg. 1 Sheet.

CLASS 40B.

148558.

Int. Cl.-B01j 11/06.

**A PROCESS FOR THE DEHYDROGENATION OF HYDROCARBONS.**

*Applicant* : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

*Inventor* : GREGOR HANS RIESSE.

Application No. 191/Del/78 filed March 14, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims. No drawings.

A process for the dehydrogenation of hydrocarbons such as herein described which comprises dehydrogenating hydrocarbon at a temperature between 500° and 700°C in the presence of steam and in the presence of a catalyst comprising : (a) from 20 to 95 percent by weight of an iron oxide, measured as ferric oxide; (b) from 3 to 30 percent by weight of potassium oxide and/or potassium carbonate measured as potassium oxide; (c) from 0.01 to 9 percent by weight of a vanadium oxide, measured as vanadium pentoxide; (d) from 0.01 to 20 percent by weight of molybdenum oxide and/or tungsten oxide, measured as the trioxide; (e) from 0.01 to 50 percent by weight of a cerium oxide, measured as cerous oxide; (f) from 0 to 50 percent by weight of a cobalt oxide, measured as cobaltous oxide; and (g) from 0 to 30 percent by weight of a chromium oxide, measured as chromic oxide.

Comp. Specn. 29 Pages.

Drgs. Nil.

CLASS 50C & D.

148559.

Int. Cl.-F25b 39/02, F25d 11/00.

**AN EVAPORATOR FOR PRODUCING FRAGMENTARY CRYSTAL CLEAR ICE.**

*Applicant* : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, INDIA.

*Inventors* : PIARA SINGH PARTI AND BIJAN CHANDRA MUKHERJEE.

Application No. 196/Del/78 filed March 15, 1978.

Complete Specification left December 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

An improved evaporator for refrigerators to be used for the production of crystal clear ice in small ready-to-use sizes, in conjunction with conventional refrigeration system comprising a serpentine metallic coil for the passage of refrigerant wherein the improvement comprises in that the said coil is embedded in an insulating material and is provided with smooth metallic surfaces at regular intervals along the length of the coil so as to effect cooling of water thereon to form the ice.

Specn. 4 Pages, Comp. Specn. 5 Pages. Drg. 1 Sheet.

CLASS 40A:

148560.

Int. Cl.-B01j 9/00.

**REACTOR FOR GAS PHASE CATALYTIC EXOTHERMIC SYNTHESIS.**

*Applicant* : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILL BANK, LONDON S.W. 1., ENGLAND.

*Inventor* : STANLEY ALLEN WARD.

Application No. 231/Del/78 filed March 30, 1978.

Convention date April 18, 1977/(15943/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims.

A reactor for gas phase catalytic exothermic synthesis comprising a cylindrical outer shell having at least one gas inlet and at least one gas outlet; (b) at least two axial parallel catalyst bed sets as hereinbefore defined, to be referred to as the upstream and downstream bed sets; (c) a heat exchanger having a cold side in flow communication with a gas inlet of the outer shell and having a hot side in flow communication with the outlet of the upstream bed set and the inlet of the downstream bed set; and (d) a flow connection from the downstream bed set to a gas outlet of the outer shell.

Comp. Specn. 16 Pages.

Drg. 2 Sheets.

CLASS 98-I.

148561.

Int. Cl.-F24j 3/02.

**A HEAT EXCHANGE PANEL POSSESSING A SYSTEM OF INTERNAL TUBULAR PASSAGEWAYS.**

*Applicant* : OLIN CORPORATION, 427 NORTH SHAMROCK STREET, EAST ALTON, ILLINOIS 62024, UNITED STATES OF AMERICA.

*Inventor* : SHIELD ON HUTCHISON BUTT.

Application No. 277/Del/78 filed April 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

12 Claims.

A heat exchange panel possessing a system of internal tubular passageways, characterized by said tubular passageways defining at least two longitudinally extended headers, said longitudinally extended headers extending substantially the length of said panel, a connecting header located at one end of said panel transverse to and interconnecting said longitudinally extended headers, and generally transversely extended connecting portions of said passageways, said connecting portions extending between said longitudinally extended headers, and at least two fluid entry and exit portions longitudinally extending from at least two of said headers.

Comp. Specn. 21 Pages.

Drg. 3 Sheets.

CLASS 33A.

148562.

Int. Cl. B 22d 11/06.

**METHOD AND APPARATUS FOR CONTINUOUSLY CASTING UNREFINED ELECTRODES IN QUANTITY FOR USE IN THE ELECTROLYTIC REFINING OF METAL.**

*Applicant* : BICC LIMITED, OF 21 BLOOMSBURY STREET, LONDON WC1B 3 QN, ENGLAND.

*Inventor* : WILLIAM NELSON, AND JOHN PATRICK BEARPARK.

Application No. 284/Del/78 filed April 18, 1978.

Convention date April 20, 1977/(16499/77) U.K.

Convention date May 20, 1977/(21387/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 38 Claims.

A method of continuously casting unrefined electrodes in quantity for use in the electrolytic refining of metal, which method comprises continuously casting a metal strip in such a way that, in longitudinally spaced minor portions of its length, the strip has a hole or holes and/or a recess or recesses in one or each of its side edges and/or has a region or regions of substantially reduced thickness as compared with that of the major portion of its length; and cutting the cast strip at spaced positions along its length to form a plurality of unrefined electrodes, each of which electrodes has, in that portion of the electrode each of which electrodes has, in that portion of the electrode that will protrude above the level of the electrolyte solution when the electrode is supported in an electrolytic cell, at least one hole and/or at least one re-entrant in an edge of said portion and/or at least one region of substantially reduced thickness as compared with that of the main body of the electrode, the area of said hole or holes and/or re-entrant or re-entrants and/or regions or region constituting a substantial proportion of said protruding portion of the electrode.

Comp. Specn. 31 Pages.

Drg. 6 Sheets.

CLASS 63-I &amp; 65A4 &amp; 68D.

148563.

Int. C1-H02m. 1/18.

## PROTECTIVE COVER FOR ALTERNATOR.

*Applicant:* SOCIETE DE PARIS ET DU RHONE, OF 36, AVENUE JEAN-MERMOZ, LYON 8, RHONE, FRANCE.

*Inventor:* MAZZORANA ALFRED.

Application No. 379/Del/78 filed May 19, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 9 Claims.

A protective cover for an alternator comprising a hollow body of flexible insulating material to enclose the rectifier bridge, said body having an open rear part carrying fixing devices for engaging elastically on an alternator end plate and being closed in its front part by a surface having the general shape of semi-circular annular segment pierced by elongated openings disposed along circular arcs concentric with the centre of curvature of said semi-circular segment.

Comp. Specn. 9 Pages.

Drg. 2 Sheets.

CLASS 72B.

148564.

Int. C1-C06b. 19/06.

## THICKENED AQUEOUS SLURRY EXPLOSIVE COMPOSITIONS.

*Applicant:* CANADIAN INDUSTRIES LIMITED, OF 630 DORCHESTER BOULEVARD, WEST QUEBEC, CANADA.

*Inventor:* JOSEPH FRANCIS MCLEAN CRAIG.

Application No. 393/Del/78 filed May 24, 1978.

Convention date June 23/1977/(281, 298/77) CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 7 Claims.

In a slurry explosive composition containing water, inorganic oxidizer salt, fuel, thickener, thickener cross-linker and, as a sensitizer, a soluble organic nitrate such as herein described the improvement comprising a thickener consisting essentially of a combination of unmodified guar gum and hydroxypropyl-modified guar gum.

Comp. Specn. 20 Pages.

Drg. 1 Sheet.

CLASS 130-I. &amp; 141D.

148565.

Int. C1-C22b. 1/00, 3/00, 15/12.

## A PROCESS FOR THE BIOCHEMICAL LEACHING OF COPPER AS COPPER SULPHATE FROM COPPER

## BEARING ORES AND WASTE MATERIALS AVAILABLE NEAR ORE MINES AND ROCKS.

*Applicant:* COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors:* RAMESH CHANDRA GUPTA, MURARI MOHAN NANDI, AND BHARAT RAMKRISHNA SANT.

Application No. 397/Del/78 filed May 25, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 5 Claims. No drawings.

A process for biochemical leaching of copper as copper sulphate from copper bearing ores and waste materials available near ore mines and rocks comprising leaching with an aqueous solution containing iron and sulphur oxidising bacteria like *Thiobacillus ferrooxidans* or *sulphoxidans* naturally occurring in the ores and/or mine water at pH in the range of 3 to 2 and at a temperature of 25-35°C under aerobic conditions.

Comp. Specn. 10 Pages.

Drgs. Nil.

CLASS 147F &amp; K.

148566.

Int. C1-G11b. 17/06.

## AUTOMATIC RECORD CHANGER.

*Applicant:* JAMES TROSPER DENNIS, OF P.O. BOX-15100, OKLAHOMA CITY, OKLAHOMA 73155, UNITED STATES OF AMERICA.

*Inventor:* GEORGE KOLOMAYETS.

Application No. 426/Del/78 filed June 8, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 44 Claims.

In an automatic record changer, the combination of, a main cycling gear, means for rotating said gear one revolution during a record changing cycle, and a tone arm mounted for rotation about a fixed point which is spaced from said gear, characterized by the provision of an elongated link member having one end thereof connected to said tone arm, and means operative when said gear has been moved to a predetermined position during the record changing cycle for interconnecting said link with said gear so that upon further rotation of said gear said tone arm is driven through said link and rotated about said fixed point.

Comp. Specn. 103 Pages.

Drgs. 19 Sheets.

CLASS 32D

148567

Int. Cl. C08g 5/00.

## IMPROVED PROCESS FOR THE PRODUCTION OF SODIUM, CALCIUM, OR LITHIUM METAL SALTS OF PHENOL-SULPHONIC ACID FORMALDEHYDE POLYMER FOR USE AS AN OIL-WELL CEMENT ADDITIVE.

*Applicants:* COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, INDIA.

*Inventors:* TORUN CHANDRA SAIKIA & SAMARANDRANATH DUTTA.

Application No. 530/Del/78 filed on 19 July, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 6 Claims

An improved process for the production of sodium, calcium or lithium metal salts of phenol sulphonic acid formaldehyde polymer for use as an oil-well cement additive comprising the steps of (1) sulphonation of phenol with sulphuric acid, (2) cooling the reaction product and diluting the same with water, (3) extracting the reaction mass with benzene to recover unreacted amount of phenol, (4) polymerising the phenol free sulphonated reaction product with formalde-

hyde and (5) neutralising the resultant polymer formed with corresponding metal hydroxide, wherein the improvement comprises in directly polymerising the reaction product of step (1), by adding dilute formaldehyde solution dropwise thereto at 95°-100°C for 6 to 10 hours and then cooling and diluting the reaction product to room temperature, separating the polymer formed, by adding the reaction product in a thin stream in water, as bottom layer and neutralising the acid free polymer formed with corresponding metal hydroxide to obtain the desired salt for use as oil-well cement additive.

Complete Specification 13 pages and Drawing 3 Sheets.

CLASS 55E4

148568

Int. class : A61k-27/00.

PROCESS FOR THE MANUFACTURE OF IMPROVED MEDICINAL PELLETS FOR USE AS SUBDERMAL IMPLANTS FOR CONTROLLED RELEASE OF DRUG IN A HUMAN OR ANIMAL SYSTEM.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1.

Inventors : SATYAWAN SINGH, JAGATPAL SINGH SARIN, NANDOO MAL KHANNA & NITYA NAND.

Application No. 583/Del/78 filed on 07 Aug. 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 7 Claims

Process for the manufacture of improved medicinal pellets for use as subdermal implants for controlled release of drug in a human or animal system characterised in that a drug stated herein is fused with cholesterol by heating at 150° ± 10°C, cooling the reaction product formed to room temperature then compressed the same into a pellet & sterilising the same exposure to gamma radiation.

Complete specification 6 pages. No Drags.

CLASS 129M.

148569

Int. Class.: B23d-15/02.

A BOLSTER-TYPE SHEARING MACHINE.

Applicants : MORGARDSHAMMAR AKTIEBOLAG, OF 777 OO SMEDJEBACKEN SWEDEN.

Inventors : KARL OLOF ADOLF POLHALL.

Application No. 636/Del/78 filed on 29-8-1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 9 Claims

A bolster-type shearing machine, provided with two coacting knives for cutting off the stock, of said knives at least one being movable in relation to the other, each being carried by a bolster, which is displaceable in relation to the other bolster, one of said bolsters being driven for providing the shearing movements of the machine while the other bolster is stationary during these movements, characterised in that both knife carrying bolsters are made displaceably guided in each other, in that said bolsters being provided with suitably adapted end and side wall portions to allow said bolsters to surround each other for mutual guidance vertically, and that each of said bolsters adjacent its associated knife carries a support means for the stock, said support means being displaceably guided in the other bolster, limitedly movable in relation to both bolsters and constituting a stop or support means for the portion of the stock which is acted on by the knife carried by the other bolster during shearing movements of the machine, whereby said support means clamp the portions of the stock situated on either side of the plane of action of the knives during the shearing movements, the bending deformation as a result of shearing being counteracted in said portions.

Comp. Specn. 19 Pages. Draws. 4 Sheets.

CLASS 98D, 195B.

148570

Int. Cl. F16k-31/44, 17/04, 45/00, F24h-9/20.

A VACUUM RELIEF VALVE FOR USE WITH A STORAGE TYPE HEATER.

Applicants : RACOLD APPLIANCES PRIVATE LIMITED, OF "VANDHANA" 13TH FLOOR, 11 TOLSTOY MARG, NEW DELHI-110001, INDIA.

Inventors : KRISHNA PRASAD SETHI.

Application No. 652/Del/78 filed on 01-09-78.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 8 Claims

A vacuum relief valve for a storage type water heater, comprising a housing closed at its upper end and having an inlet chamber and an outlet chamber, an outlet between the inlet chamber and the outlet chamber, a spring loaded hollow plunger with in the housing normally pressing a rubber disc provided on the plunger against the said outlet for closing the said outlet, said plunger being adapted to be moved against the force of its spring by the air in the inlet chamber when the pressure in the outlet chamber is reduced by vacuum formed in the said water heater on which the valve is mounted, and thereby permit passage of air from inlet chamber into water heater through the outlet chamber and openings in the plunger to restore atmospheric pressure in the water heater.

Complete Specification 10 pages.

Drawing-1 Sheet.

CLASS 32F, 32F1.

148571.

Int. Cl. C07d-55/00.

PROCESS FOR THE PREPARATION OF BIS-TRIAZOLYLSTILBENES.

Applicants : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : Alfons Dorlars and Otto Newnes.

Application No. 669/Del/78 filed on 12th Sep 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 3 Claims

Process for the preparation of bis-triazolylstilbene compounds which, in the form of the free acid, correspond to the formula I of the accompanying drawings, wherein

the phenyl radicals A can be substituted by halogen,  $C_1-C_4$  alkyl or  $C_1-C_4$ -alkoxy,

from bis-hydroxyiminohydrazonostilbene compounds of the formula II,

characterised in that the bis-hydroxyiminohydrazonostilbene compounds are reacted with anhydrides of lower carboxylic acids having from 1 to 4 carbon atoms in the presence of urea and polar solvents such as herein described at temperatures from 10 to 60°C.

(Complete Specification 10 pages and Drawing, 1 Sheet.

CLASS 204.

148572.

Int. Cl. G 01 g 21/08.

A WEIGHING MACHINE.

Applicant & Inventor : THAIVANNAN SESHAGIRI, 33 III STREET, ABHIRAMAPURAM MADRAS-600018, TAMIL NADU, INDIA.

Application No. 52/Mas/78 filed April 6, 1978.

Complete specification left July 6, 1979.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims

A weighing machine including a weighing arm provided with a knife and weighing pans suspended from the weighing arm characterised by a supporting member disposed above the weighing arm with a shackle attached thereto, the knife of the weighing arm being located in a cooperating part of the shackle to support the weighing arm thereat, whereby the region of suspension of the weighing pans is left free and uncluttered during use.

(Prov. Specn. 4 pages; Comp. Specn. 6 pages; Drawgs. 2 sheets)

CLASS 204. 148573.  
Int. Cl. G 01 g 3/04.

## A WEIGHING DEVICE.

*Applicant* : TUBE INVESTMENTS OF INDIA LIMITED, 11/12, NORTH BEACH ROAD, MADRAS-600 001, TAMIL NADU, INDIA.

*Inventor* : MAMIDIPUDI SRINIVASAN.

Application No. 53/Mas/78 filed April 7, 1978.

Complete specification left July 6, 1979.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 4 Claims

A weighing device comprising a top plate for receiving the object to be weighed; a base plate separated from the top plate by at least one spring, characterised in that the top and base plates extend outwardly into at least three limbs for achieving the requisite stable equilibrium, the top plate being held in position by bracket clamp holders clamped to the said top plate and to the base plate at the extremities of the said limbs, telescoping guide pillars provided between, and attached to, the top and base plates for guiding the movement of the top plate; an indicator member, the first end of which is adjustably attached to the top plate and the second end of which is located in a graduated slot in one of the said clamp holders which serves as a dial plate, the said indicator member moving with the top plate when loaded, to indicate the weight on the dial plate.

(Prov. Specn. 6 pages; Comp. Specn. 9 pages; Drawgs. 1 sheet)

CLASS 204. 148574.  
Int. Cl. G 01 g 1/36.

## A WEIGHING MACHINE.

*Applicant & Inventor* : THAIVANNAN SESHAGIRI, 33 III STREET, ABHIRAMAPURAM, MADRAS-600 018, TAMIL NADU, INDIA.

Application No. 55/Mas/78 filed April 11, 1978.

Complete specification left July 6, 1979.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A weighing machine comprising the known major and minor bars carrying the major poise and the minor poise respectively, characterised in that the major bar is notchless and the major poise is provided with a spring-loaded member urged against the major bar for retaining the major poise in the position to which it is moved during the weighing operation.

(Prov. Specn. 5 pages; Comp. Specn. 6 pages; Drawgs. 1 sheet)

CLASS 147B. 148575.  
Int. Cl. G 01 h 15/18.

## A TAPE PLAYER.

*Applicant* : GEORGE THANGIAH, 16, ST. MARK'S ROAD, BANGALORE-560 001, KARNATAKA, INDIA.

*Inventor* : JOHN STUART MILL.

Application No. 76/Mas/78 filed June 8, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A tape player constituting of a drive mechanism operable by hand cranking means, the said mechanism comprising a gear train and a belt drive, connecting the crank to a generator which supplies electric power to a motor and an amplifier circuit respectively such that the said motor draws the recorded tape across the play-back head of the tape player in a known manner and the said amplifier circuit comprising known sound reproducing means to reproduce the sound recorded in the tape.

Comp. Specn. 4 pages;

Drawgs. 1 sheet

CLASS 25B & 136A. 148576.  
Int. Cl. B 28 b 11/10.

## A METHOD OF MANUFACTURE OF CLAY SLABS AND APPARATUS FOR CARRYING OUT THE SAID METHOD.

*Applicant* : SRI KRISHNA TILES & POTTERIES (MADRAS) PRIVATE LIMITED, THIRUMANGALAM, AMINIKARAI, MADRAS-600 029, TAMIL NADU, INDIA.

*Inventor* : ABHIRAMAPURAM RANGANATHAN RAJAGOPALAN.

Application No. 99/Mas/78 filed July 14, 1978.

Complete specification left October 15, 1979.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 5 Claims

A method of manufacture of clay slabs comprising the preparation of the slabs in the known way and characterised by pressing the slabs between the faces of a die provided with one or more layers of a resinous composition set hard thereon, the said composition containing a known resin, a known hardener and one or more substances selected from filler materials, such as, quartz, sand, silica, alumina powder,

Prov. Specn. 6 pages;

Comp. Specn 6 pages.

CLASS 36A.

148577.

Int. Cl. F 04 d 11/00.

## AN IMPROVED PERIPHERAL PUMP.

*Applicant & Inventors* : (1) KADUMGAMPARAMBIL THOMAS XAVIER, (2) (Mrs.) SHERLY JOLLY, (3) KADUMGAMPARAMBIL JOSEPH XAVIER, (4) KADUMGAMPARAMBIL MICHAEL XAVIER, (5) KADUMGAMPARAMBIL MATHEW XAVIER, (6) KADUMGAMPARAMBIL PLACID XAVIER, (7) KADUMGAMPARAMBIL TOMY XAVIER, OF PHOENIX INDIA, 196-C CARMEL BUILDINGS, BANERJI ROAD, COCHIN-682018, KERALA, INDIA.

Application No. 109/Mas/78 filed July 26, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

An improved peripheral pump comprising an impeller disposed in casing and rotatably mounted on a shaft at one end thereof, the other end of the shaft being supported on a bearing, the impeller being located close to each of the two side walls of the casing on either side thereof, characterised by linings, made of a material inert to the fluid in the casing, attached to the side walls of the casing and narrowly spaced from the impeller for preventing the impeller from abrading against the said side walls; and means for arresting any linear movement of the shaft tending to bring the impeller into contact with the linings, said means comprising, firstly, a step provided near the other end of the said shaft, the said step butting against one side of

the said bearing and, secondly, a pulley or other drive coupling, mounted on the said other end of the said shaft, butting against the other side of the said bearing.

Comp. Specn. 8 pages;

Drawg. 1 sheet

CLASS 40F & 130G.

148578.

Int. Cl. C 22 b 11/04.

A PROCESS FOR THE RECOVERY OF SILVER FROM GLASS CULLETS AND AN APPARATUS FOR CARRYING OUT THE SAID PROCESS.

*Applicant* : SHRI A. M. M. MURUGAPPA CHETTIAR RESEARCH CENTRE, (CHEMICALS DIVISION), A. M. M. CHARITIES TRUST BUILDING, M. T. H. ROAD, AMBATTUR, MADRAS 600053, TAMIL NADU, INDIA.

*Inventors* : (1) CHINNA RAJAN ANANDAN, (2) SRINIVASA PANCHAPAKESAN.

Application No. 110/Mas/78 filed July 28, 1978.

Complete specification left March 13, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 5 Claims

A process for the recovery of silver from glass cullets having a coat of silver and an undercoat of a less noble metal characterised by loading the coated glass cullet into a rotatably mounted perforated barrel partially immersed in a tank of dilute sulphuric acid; and rotating the barrel in the said acid so as to dissolve the undercoat alone, whereby the silver is stripped from the cullet; and separating, by known means, the stripped silver from the cullet.

(Prov. Specn. 9 pages; Comp. Specn. 9 pages; Drawg. 1 sheet)

CLASS 129P.

148579.

Int. Cl. B 23 b 31/30.

SAFETY INTERLOCK MECHANISM BETWEEN MAIN SPINDLE ROTATION AND CHUCK OPERATION OF A SEMI AUTOMATIC MACHINE TOOL.

*Applicant* : HINDUSTAN MACHINE TOOLS LTD., 36, CUNNINGHAM ROAD, BANGALORE-560 052, KARNATAKA STATE, INDIA.

*Inventors* : (1) KAPLINGAT NARAYANAN (2) PANDAMPATOM RADHAKRISHNAN, AND (3) KAITHAYIL KORAH GEORGE.

Application No. 154/Mas/78 filed September 14, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 1 Claim

A safety interlock mechanism to prevent the simultaneous operation of the main spindle and the chuck of a semi automatic machine tool which is programmable using a programme drum, the said interlocking mechanism comprising a valve which operates the chuck, operable by a cam fixed to a shaft which in turn is connected to the lever which operates the chuck, a locking pin which is spring loaded, locking the said shaft and the said lever when not pulled by a cable connected to a second lever which swings about a fulcrum, the other end of the said second lever being actuated by a dog on the programme drum, the said pin unlocking the lever which operates the chuck for actuation only when pulled by the said cable when the said second lever is actuated about the fulcrum by the said dog fixed to the said programme drum, simultaneously braking the rotation of the main spindle.

Comp. Specn. 3 pages;

Drawg. 1 sheet

CLASS 24D.

148580.

Int. Cl. B 60 t 11/22 & 11/26.

A BRAKE FLUID RESERVOIR OF A HYDRAULIC BRAKING SYSTEM.

*Applicant* : BRAKES INDIA LTD., PADI, MADRAS 600 050, TAMIL NADU, INDIA.

*Inventors* : (1) NAGENHALLI KHADER MOHAMED SHAFTI, (2) KRISHNASWAMY VASU.

Application No. 179/Mas/78 filed September 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 3 Claims

A brake fluid reservoir of a hydraulic braking system connected by a pipeline to an auxiliary brake fluid tank characterised in that the body of the reservoir has at least one orifice thereon, the orifice being provided with removable hermetic closure and fastening means, the arrangement being such that adequate replenishment of the reservoir is indicated to have taken place whenever, on filling the reservoir, brake fluid alone emerges from the opened orifice, the closure and fastening means being intended for hermetically closing the orifice thereafter.

Comp. Specn. 10 pages;

Drawings 1 Sheet

148581.

Int. Cl. Co. 7 d 51/42.

PROCESS FOR THE PREPARATION OF 5-ARALKYL-2, 4-DIAMINOPYRIMIDINES.

*Applicant* : CIBA-GEIGY OF INDIA LIMITED, OF AAREY ROAD, GOREGAON EAST, BOMBAY-400 063, MAHARASHTRA, INDIA.

*Inventor* : KRISHNAKANT GOVINDRAM DAVE.

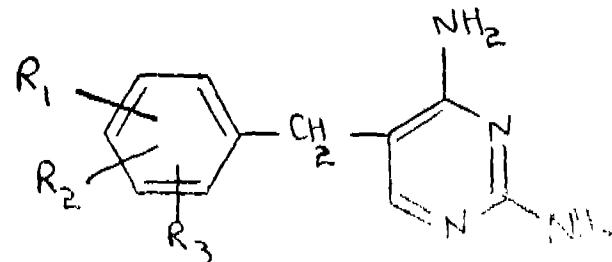
Application No. 295/BOM/1977 filed October 12, 1977.

Complete after provisional left on 11-1-1979.

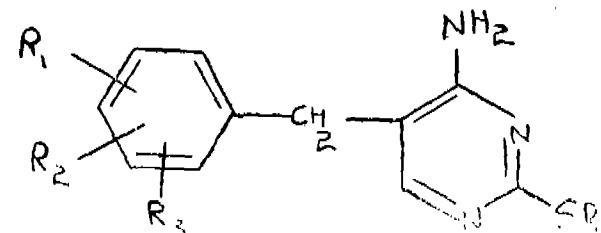
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

#### 4 Claims

Process for the preparation of 5-alkyl-2, 4-diaminopyrimidines of the general formula I shown in the drawings accompanying the provisional specification.



wherein R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> each represents a hydrogen atom independently, a loweralkyl, a loweralkoxy, aryloweralkoxy or loweralkylthio group or any two of the three groups R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> together represent an alkyleneoxy group as herein described and the third substituent represents a hydrogen atom, loweralkyl, loweralkoxy, aryloweralkoxy or loweralkylthio group which comprises reacting novel compounds of the formula II shown in the drawings accompanying the provisional specification.



wherein R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> have the above meanings and R<sub>4</sub> represents a hydrogen atom, a loweralkyl, or aryloweralkyl group with ammonia at a temperature between 50°C and 200°C optionally in the presence of a catalyst such as herein described, as described herein and, if desired, con-

verting the compounds of the said formula 1 into their pharmaceutically acceptable acid addition salts in a known manner.

Comp. Specn. 15 pages.

Drawing Sheet : Nil.

Prov. Specn. 23 pages.

Drawing Sheets : 2.

CLASS 128 D, G.

148582.

Int. A61b5/00.

**AN ATTACHMENT FOR AN AUTOSPHYG INSTRUMENT AND AN AUTOSPHYG INSTRUMENT INCORPORATING SAME.**

**Applicant & Inventor :** MAHESH MANUBHAI SHAH, 25, SAMPATRAO COLONY, VADODARA-390 005 (GUJARAT STATE).

Application No. 198/BOM/1978 filed July 3, 1978.

Complete after provisional left on 1-9-1978

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

**6 Claims**

An attachment for an autosphyg instrument comprising a rubber pressure cuff covered with cloth for insertion around an arm and a hand band characterised in that at an end portions of the cloth cover for the pressure cuff self sticking fastener means are mounted and a buckle provided at one end of said cuff to form adjustable permanent band for insertion around an arm and holding it therearound by self sticking fastener, a flexible tubing attached to the rubber pressure cuff for connecting in to control valve at inflatory bulb of the autosphyg by means of a T-joint; said band hand band being provided with a set of buckles and self sticking fastener with an opening for the chest piece of a stethoscope to be passed there-through and held there to enable the chest piece to be placed in desired place (artery) on inside of the elbow around which the hand band is held tight by said self sticking fastener.

1 Provisional specification 3 pages. Drawing sheets nil

CLASS 187C.

148583.

Int. Cl.-H04m 7/12.

**An AUTOMATIC TELEPHONE EXCHANGE.**

**Applicant :** PLESSEY HANDEL UND INVESTMENTS AG, OF GARTENSTRASSE 2, 6300 ZUG, SWITZERLAND.

**Inventors :** JAMES PARKINSON BENNETT AND DAVID CHRISTOPHER HARMS.

Application No. 1676/Cal/77 filed December 2, 1977.

Convention date December 3, 1976/(50451/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**9 Claims**

An automatic telephone exchange employing registers for the setting-up of connections over junctions of at least one group of outgoing junctions which employ a particular form of forward and backward M.F.C. signalling, wherein said junctions are accessible from a group of m.f. (multi-frequency) control equipments each having a sender and receiver compatible with said form of M.C.C. signalling characterised in that a cross-point switching means (DS) is provided for establishing selective two-way signalling connections between said registers (REG) and the m.f. control equipments [MFC(X)] of at least said group, in which circuit arrangements are provided at each register (EF, RB) and at each said control equipment (RF, TB) and said circuit arrangements comprise signal transmitting and receiving means whereby any 2-out-of-N signal presented locally in parallel-marking form to the transmitting means of the register or the m.f. control equipment effects generation of a corresponding signal in serial form which is transmitted as an N-bit sequence over a single bi-directional wire (DATA) of the particular selective connection and is operative in the receiving means of the m.f. control equipment or register respectively to effect reproduction of the signal in parallel-marking form.

Comp. Specn. 29 pages.

Drg. 4 Sheets.

**PATENTS SEALED**

145983 146620 146621 146843 147299 147360 147474 147477  
147482 147484 147490 147524 147527 147536 147545 147552  
147565 147574 147578 147582 147590 147591.

**AMENDMENT PROCEEDINGS UNDER SECTION 57**

Notice is hereby given that (1) Instytut Przemysku Organicznego of Annopol Str., Warsaw, Poland and (2) Politechnika Wroclawska of Wybrzeze Wyspianskiego Str., 27 Wroclaw, Poland, both Polish Organizations, have made an application under Sec. 57 of the Patents Act, 1970 for amendment of specification of their Patent No. 147924 for "A method of production of new derivatives of benzylamine". The amendments are by way of correction the names of two applicants, From (1) Instytut Przemysku Organicznego, (2) Politechnika Wroclawska to read the word "przemysku" as "Przemyslu" in the name of first applicant and to correct the word "Wroclawska" to read as "Wroclawska" in the name of second applicant.

The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within the three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

**PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. Title of the invention

140785 (22.07.75) A process for the synthesis of 2-alkyl-6-ethyl-3-[p-sub. phenyl]-trans-bicyclo (4.3.0)-7-norinan-ols and derivatives thereof as antifertility agents.

140944 (06.08.74) A method and apparatus for producing gas from gas producing material such as coal.

141209 (18.05.74) Improvements in or relating to method of manufacturing ingots of high melting ferro alloys and metal alloys.

140944 (06.08.74) A method and apparatus for producing tive.

141524 (19.12.74) Process for the continuous passivation of sponge iron particles.

141530 (03.12.74) Process for the preparation of hydroxy-pyridine carbamates.

141539 (07.08.75) Process for the manufacture of new pyridazines and acid addition salts and N-oxides thereof.

**RENEWAL FEES PAID**

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S. VEDARAMAN  
Controller-General of Patents, Designs  
and Trade Marks

